

PROJECT NUMBER : 5001
PROJECT TITLE : Packaging Studies
PROJECT LEADER : B. Mait
WRITTEN BY : C. Kroustalis
PERIOD COVERED : July, 1991

I. PACKAGING STUDIES

- A. **Objective:** Provide technical packaging support to Manufacturing, Manufacturing Services, Engineering, Purchasing and Quality Assurance. In addition, assist New Products Directorate in evaluating new packaging concepts and products.
- B. **Status:** Residual printing solvents were determined by headspace/GC on 22 samples of packaging materials including labels, inks, inserts, cartons and totes from domestic and Brazilian packaging materials. GC/MS analyses were also performed on some of these materials to identify unknown components.

The aging study for Project GOLD of samples manufactured at Cabarrus was completed. There were no significant differences in pack adhesion between standard and pre-applied adhesive softpack products. The first label case design failed under simulated warehouse storage (label blocking was observed). A second warehouse simulation storage study was initiated with a redesigned case.

The New Orleans warehouse stacking test for Project Hairy of long and short grain FTB samples in 10, 11 and 12 pt. board calipers will be completed the week of August 5, 1991. The 11 and 12 pt. boards passed subjectives. Subjectives for the 10 pt. board have not been completed.

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